

WHAT IS CLAIMED IS:

1. A chassis component forming a part of a chassis, the chassis component comprising:

5 a panel having an aperture formed therein;  
the aperture operable to maintain access to a computer component, the computer component having a bracket;

a frame formed adjacent the aperture and operable to  
10 receive a portion of the bracket;

a retaining clip movably coupled to the frame such that the retaining clip moves between an engaged position and a disengaged position;

the retaining clip oriented and designed to permit  
15 airflow through the frame; and

a spring member operably extending from a portion of the retaining clip, the spring member operably engages the bracket to secure the computer component to the chassis component in the engaged position and operably  
20 permits removal and installation of the computer component in the disengaged position.

2. The chassis component of Claim 1, wherein the retaining clip further includes a cross section design  
25 having a low profile that is oriented with respect to the chassis component, the cross section design operable to reduce airflow restriction around the retaining clip as airflow moves through the frame.

3. The chassis component of Claim 1, wherein the retaining clip is made of plastic, metal or a combination thereof.

5 4. The chassis component of Claim 1, further comprising:

a guide slot formed along one side of the frame; and  
a guide rail formed on the retaining clip, the guide rail operably slidable within the guide slot when the  
10 retaining clip moves between the engaged position and the disengaged position.

5. The chassis component of Claim 1, further comprising a tab formed on the retaining clip, the tab  
15 operably prevents the retaining clip from moving to the engaged position if the portion of the bracket in the frame is out of position.

6. The chassis component of Claim 1, further  
20 comprising a dimple formed in the frame, the dimple operable to engage a screw slot formed on the bracket.

7. The chassis component of Claim 1, further comprising a vent hole formed on one side of the frame,  
25 the vent hole operably provides airflow through the chassis component.

8. The chassis component of Claim 1, further comprising a chamfer formed on one edge of the frame, the chamfer operable to allow the retaining clip to move to a retracted orientation while in the disengaged position.

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9. The chassis component of Claim 1, further comprising a finger pull formed on the retaining clip, the finger pull operably permits movement of the retaining clip without tools by a user.

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10. The chassis component of Claim 1, further comprising:

a notch formed on the frame; and

a pin formed on the retaining clip, the pin operably  
15 interacts with the notch when the retaining clip is moved  
to the engaged position such that the retaining clip  
resist movement in lateral directions.

11. An information handling system, comprising;  
a chassis forming part of the structure of the  
information handling system, the chassis including a  
chassis component, comprising:

- 5           a panel having an aperture formed therein;  
          the aperture operable to maintain access to a  
          computer component, the computer component having a  
          bracket;
- a frame formed adjacent the aperture and  
10          operable to receive a portion of the bracket;
- a retaining clip movably coupled to the frame  
          such that the retaining clip moves between an  
          engaged position and a disengaged position;
- the retaining clip oriented and designed to  
15          permit airflow through the frame; and
- a spring member operably extending from a  
          portion of the retaining clip, the spring member  
          operably engages the bracket to secure the computer  
          component to the chassis component in the engaged  
20          position and operably permits removal and  
          installation of the computer component in the  
          disengaged position;
- a printed circuit board having a computer component  
          slot, the computer component slot operable to  
25          electrically couple the computer component to the printed  
          circuit board;
- at least one processor operably coupled to the  
          printed circuit board; and
- a memory operably coupled to the processor and the  
30          printed circuit board.

12. The information handling system of Claim 11;  
wherein the computer component comprises a peripheral  
component interface (PCI) card and the computer component  
5 slot comprises a PCI card slot.

13. The information handling system of Claim 11,  
wherein the chassis further includes a cover plate  
operably coupled to a side of the chassis adjacent the  
10 chassis component such that the cover plate, when coupled  
to the chassis, prevents the retaining clips from moving.

14. The information handling system of Claim 11,  
further comprising a system fan associated with the  
15 chassis, the system fan operable to generate airflow  
through the information handling system for ventilation  
such that a portion of airflow move through the frame.

15. The information handling system of Claim 11,  
20 further comprising a vent hole formed in the frame, the  
vent hole operably provides passage of airflow through  
the frame of the chassis component.

16. The information handling system of Claim 11,  
25 wherein the retaining clip further includes a low profile  
cross section operable to reduce airflow restriction of  
air moving around the retaining clip through the frame.

17. The information handling system of Claim 11,  
further comprising:

a guide slot formed along one side of the frame; and  
a guide rail formed on the retaining clip, the guide  
5 rail operably slidable within the guide slot when the  
retaining clip moves between the engaged position and the  
disengaged position.

18. The information handling system of Claim 11,  
10 wherein the retaining clip and frame are sized to receive  
two or more brackets from respective computer compents.

19. A chassis component for securing a computer component, comprising:

5 a frame forming a portion of a chassis component, the frame operably receives a portion of bracket from a computer component;

a retaining clip having a spring member, the retaining clip movably coupled to the frame such that the retaining clip moves between an engaged position and a disengaged position;

10 the spring member operably engages the bracket to secure the computer component to the chassis component in the engaged position and operably permits removal and installation of the computer component in the disengaged position;

15 a guide slot formed along one side of the frame; and a guide rail formed on the retaining clip, the guide rail operably slidable within the guide slot when the retaining clip moves between the engaged position and the disengaged position.

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20. The chassis component of Claim 19, further comprising:

a notch formed on the frame; and

25 a pin formed on the retaining clip, the pin operably interacts with the notch when the retaining clip is moved to the engaged position such that the retaining clip resist movement in lateral directions.

21. The chassis component of Claim 19, further comprising a finger pull formed on the retaining clip, the finger pull operably permits movement of the retaining clip without tools by a user.

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22. The chassis component of Claim 19, further comprising a tab formed on the retaining clip, the tab operably prevents the retaining clip from moving to the engaged position if the portion of the bracket in the frame is out of position.

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23. The chassis component of Claim 19, wherein the frame is sized to receive a portion of two or more brackets such that the spring member engages the two or more brackets to secure the computer component to the chassis component.

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